

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : AIDA ENG LTD

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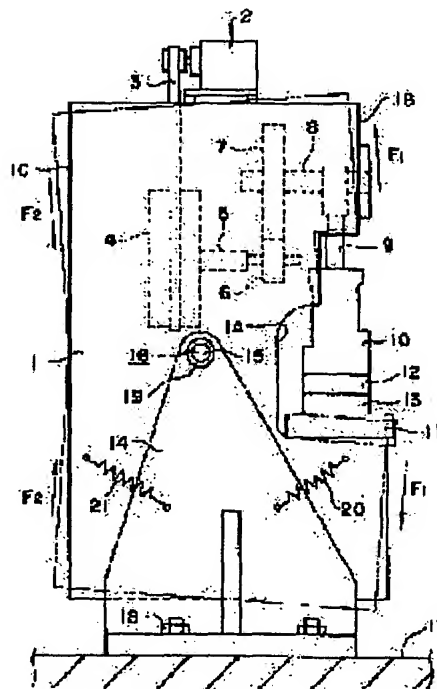
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(54) SUPPORTING STRUCTURE OF PRESS MACHINE

(57)Abstract:

PURPOSE: To prevent the vibration from transmitting to the base even if a frame of a press machine is deformed with a pressing load.

CONSTITUTION: In a press machine in which a stock is pressed with an upper die 12 attached to a slide 10 vertically moving and a lower die 13 attached to a bolster 11 and an elongation deforming force F_1 and a compression deforming force F_2 are exerted on a frame 1 due to a pressing load applied to the slide 10 and the bolster 11, a supporting part 16 connecting a leg member 14 to the frame 1 with a shaft 14 is provided, and this supporting part 16 is provided on a deformation neutral part of elongation and compression of the frame 1 or the its neighborhood so that the vibration due to the elongation and compression of the frame 1 is not transmitted to the leg member 14 and the base 17.



LEGAL STATUS

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CLAIMS

[Claim(s)]

[Claim 1] The bolster in which female mold was attached. The slide are attached, and whose punch moves up and down and carries out press working of sheet metal of the material by the aforementioned female mold and the aforementioned punch. The frame which receives the deformation force from a press load of acting on the aforementioned bolster at the time of processing of the aforementioned material, and the aforementioned slide. It is the supporting structure of the press machine equipped with the above, and the supporter which connected leg material with the deformation neutral section of the aforementioned frame or its near is formed, and it is characterized by installing this leg material on the foundation.

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] It is the side elevation of a press machine showing the supporting structure concerning one example of this invention.

[Drawing 2] It is the front view of a press machine showing another example.

[Drawing 3] It is the front view of a press machine showing another example furthermore.

[Description of Notations]

1, 31, 31' Frame

10 40 Slide

11 41 Bolster

12 42 Punch

13 43 Female mold

14 34 Leg material

16 36 Supporter

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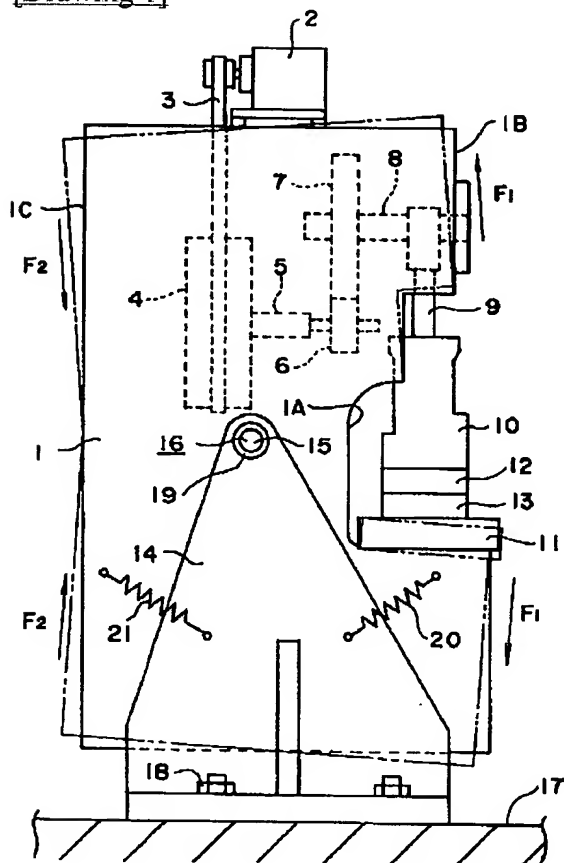
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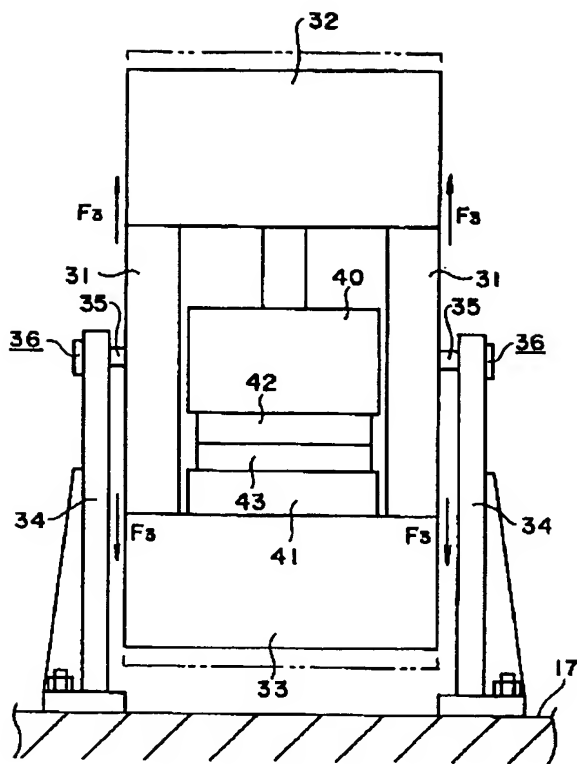
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DRAWINGS

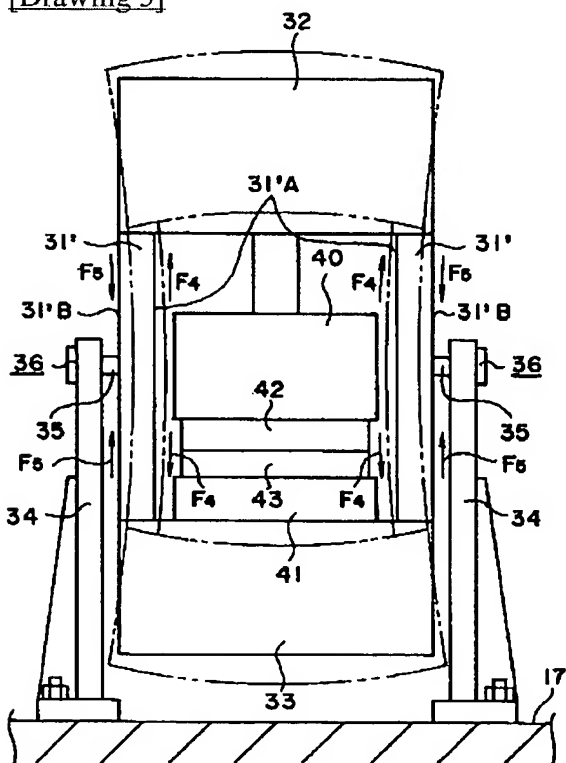
[Drawing 1]



[Drawing 2]



[Drawing 3]



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